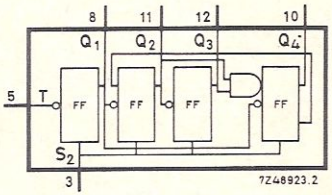
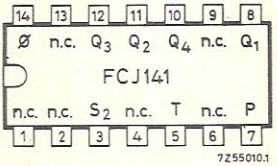
The FC family of DTL silicon monolithic integrated circuits has been designed for medium speed digital applications in computing, office electronics, telecommunication, instrumentation and industrial control.

development sample data

SINGLE ASYNCHRONOUS 10-COUNTER





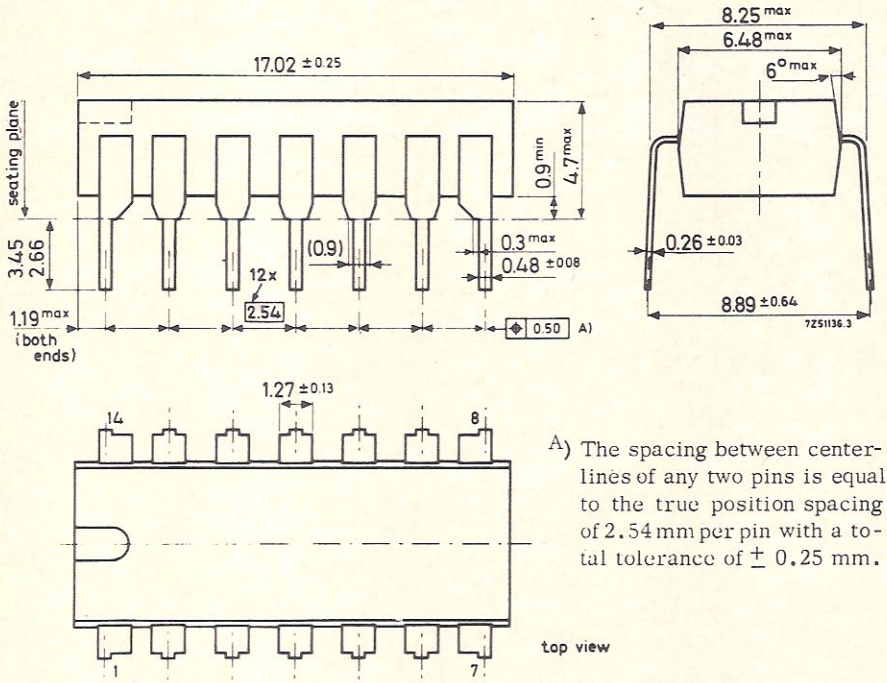
QUICK REFERENCE DATA			
Supply voltage	V_P	6.0 + 5%	V
Operating ambient temperature range	T_{amb}	0 to +75	°C
Clock rate	f_c	typ. 7	MHz
Available d.c. fan out T_{amb} = 25 °C	N_a	⩾ 6	
D.C. noise margin T_{amb} = 25 °C	M_L	typ. 1.2	V
Power consumption 50% duty cycle, T_{amb} = 25 °C	P_{av}	typ. 150	mW

This device contains four flip-flops interconnected to form an asynchronous counter of ten in the 8-4-2-1 code.

These data, based on the specifications and measured performance of development samples, afford a preliminary indication of the characteristics to be expected of the described product. Distribution of development samples implies no guarantee as to the subsequent availability of the product

PACKAGE OUTLINE

Dimensions in mm



A) The spacing between centerlines of any two pins is equal to the true position spacing of 2.54 mm per pin with a total tolerance of ± 0.25 mm.

Handling notes

1. Devices may be soldered directly into circuits with soldering irons. At iron temperatures below 245 °C the maximum soldering time should be less than 10 seconds and at iron temperatures between 245 °C and 400 °C the soldering time should be less than 5 seconds. In both cases the soldering iron should be applied below the seating plane (see outline drawing).

2. Devices mounted up to the seating plane on a printed circuit board may be dip or flow soldered providing the solder temperature is below 245 °C and the time of immersion is less than 5 seconds. The body temperature should not be allowed to exceed the maximum storage temperature during soldering. If excessive preheat cycles are used, it may be necessary to cool the printed board immediately after leaving the solder bath/wave in order that this requirement is met.